

Prof. Nicola Realdon

Principali pubblicazioni anni 2010 – 2018 (al 31 marzo 2018)

1. di Cagno, M. P., Clarelli, F., Våbenø, J., Lesley, C., Rahman, S.D., Cauzzo, J., Franceschinis, E., Realdon, N., Stein, P.C. (2018). Experimental Determination of Drug Diffusion Coefficients in Unstirred Aqueous Environments by Temporally Resolved Concentration Measurements. *MOLECULAR PHARMACEUTICS*, ISSN: 1543-8384, doi: 10.1021/acs.molpharmaceut.7b01053
2. De Toni, L., De Rocco Ponce, M., Franceschinis, E., Dall'Acqua, S., Padrini, R., Realdon, N., Garolla, A., Foresta, C. (2018). Sublingual Administration of Sildenafil Oro-dispersible Film: New Profiles of Drug Tolerability and Pharmacokinetics for PDE5 Inhibitors. *FRONTIERS IN PHARMACOLOGY*, vol. 9, p. 1-8, ISSN: 1663-9812, doi: 10.3389/fphar.2018.00059
3. Borgna, F., Ballan, M., Corradetti, S., Vettorato, E., Monetti, A., Rossignoli, M., Manzolaro, M., Scarpa, D., Mazzi, U., Realdon, N., Andrighetto, A. (2017). A preliminary study for the production of high specific activity radionuclides for nuclear medicine obtained with the isotope separation on line technique. *APPLIED RADIATION AND ISOTOPES*, vol. 127, p. 214-226, ISSN: 0969-8043, doi: 10.1016/j.apradiso.2017.06.022
4. Santomaso, A. C., Baggio, R., Zorzi, F., Salviulo, G., Realdon, N., Franceschinis, E. (2017). Sugars with different thickening power in high shear granulation. *POWDER TECHNOLOGY*, vol. 317, p. 391-399, ISSN: 0032-5910, doi: 10.1016/j.powtec.2017.05.017
5. Casarin, E., Lucchese, L., Grazioli, S., Facchin, S., Realdon, N., Brocchi, E., Morpurgo, M., Nardelli, S. (2016). A New ELISA Using the ANANAS Technology Showing High Sensitivity to diagnose the Bovine Rhinotracheitis from Individual Sera to Pooled Milk. *PLOS ONE*, vol. 11, ISSN: 1932-6203, doi: 10.1371/journal.pone.0145912
6. Brigo, L., Scomparin, E., Galuppo, M., Capurso, G., Ferlin, M. G., Bello, V., Realdon, N., Brusatin, G., Morpurgo M. (2016). Mesoporous silica sub-micron spheres as drug dissolution enhancers: Influence of drug and matrix chemistry on functionality and stability. *MATERIALS SCIENCE AND ENGINEERING. C, BIOMIMETIC MATERIALS, SENSORS AND SYSTEMS*, vol. 59, p. 585-593, ISSN: 0928-4931, doi: 10.1016/j.msec.2015.10.039
7. Roner, M., D'Alpaos, A., Ghinassi, M., Marani, M., Silvestri, S., Franceschinis, E., Realdon, N. (2016). Spatial variation of salt-marsh organic and inorganic deposition and organic carbon accumulation: Inferences from the Venice lagoon, Italy. *ADVANCES IN WATER RESOURCES*, vol. 93, p. 276-287, ISSN: 0309-1708, doi: 10.1016/j.advwatres.2015.11.011
8. Franceschinis, E., Santomaso, A.C., Benda, L., Persutti, B., Voinovich, D., Realdon, N. (2015). Influence of process variables on the properties of simvastatin self-emulsifying granules obtained through high shear wet granulation. *POWDER TECHNOLOGY*, vol. 274, p. 173-179, ISSN: 0032-5910, doi: 10.1016/j.powtec.2015.01.026
9. Nalesso, S, Codemo, C., Franceschinis, E., Realdon, N., Artoni, R., Santomaso, A.C., (2015). Texture analysis as a tool to study the kinetics of wet agglomeration processes. *INTERNATIONAL JOURNAL OF PHARMACEUTICS*, vol. 485, p. 61-69, ISSN: 0378-5173, doi: 10.1016/j.ijpharm.2015.03.007
10. Franceschinis E., Santomaso A.C., Trotter A., Realdon N. (2014). High shear mixer granulation using food grade binders with different thickening power. *FOOD RESEARCH INTERNATIONAL*, vol. 64, p. 711-717, ISSN: 0963-9969

11. Dall'Olmo L, Fassan, M, Dassi E, Scarpa, M., Realdon, S., Cavallin, F., Cagol, M., Battaglia, G., Pizzi, M., Guzzardo, V., Franceschinis, E., Pasut, G., Rugge, M., Zaninotto, G., Realdon, N., Castoro, C (2014). Role of proton pump inhibitor on esophageal carcinogenesis and pancreatic acinar cell metaplasia development: an experimental in vivo study. PLOS ONE, vol. 9 (11), ISSN: 1932-6203, doi: 10.1371/journal.pone.0112862
12. Trojniak, M. P., Mazzi, U., Palozzo, A. C., Morpurgo, M., Franceschinis, E., Realdon, N. (2013). Stability of lyophilised oxaliplatin formulation in polyolefin infusion bags containing 5% dextrose injection. EUROPEAN JOURNAL OF HOSPITAL PHARMACY. SCIENCE AND PRACTICE, vol. 21, p. 45-48, ISSN: 2047-9956, doi: 10.1136/ejhpharm-2013-000323
13. Morpurgo, M., Facchin, S., Pignatto, M., Silvestri, D., Casarin, E., Realdon, N. (2012). Characterization of multi-functional nanosystems based on the avidin-nucleic acid interaction as signal enhancers in immuno-detection. ANALYTICAL CHEMISTRY, vol. 84(7), p. 3433-3439, ISSN: 0003-2700, doi: 10.1021/ac300276u
14. Dal Zotto, M., Franceschinis, E., Punchina, A., Realdon, N. (2012). Effect of the surfactant on the availability of piroxicam as a poorly hydrosoluble drug from suppositories. PHARMAZIE, vol. 1, p. 37-45, ISSN: 0031-7144, doi: 10.1691/ph.2012.1092
15. Franceschinis, E., Bortoletto, C., Perissutti, B., Dal Zotto, M., Voinovich, D., Realdon, N. (2011). Self-emulsifying pellets in a lab-scale high shear mixer: Formulation and production design. POWDER TECHNOLOGY, vol. 207, p. 113-118, ISSN: 0032-5910
16. Cavinato, M., Andreato, E., Bresciani, M., Pignatone, I., Bellazzi, G., Franceschinis, E., Realdon, N., Canu, P., Santomaso, A.C. (2011). Combining formulation and process aspects for optimizing the high-shear wet granulation of common drugs. INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol. 416, p. 229-241, ISSN: 0378-5173, doi: 10.1016/j.ijpharm.2011.06.051
17. Morpurgo, M., Teoli, D., Pignatto, M., Atrezzi, M., Spadaro, F., Realdon, N. (2010). Effect of Na₂CO₃, NaF and NH₄OH on the Stability and Release Behavior of Sol-gel Derived Silica Xerogels Embedded with Bioactive Compounds. ACTA BIOMATERIALIA, vol. 6, p. 2246-2253, ISSN: 1742-7061
18. Pignatto, M., Realdon, N., Morpurgo, M. (2010). Optimised Avidin Nucleic Acids Nanoassemblies by a tailored PEGylation Strategy and their Application as Molecular Amplifiers in Detection. BIOCONJUGATE CHEMISTRY, vol. 21(7), p. 1254-1263, ISSN: 1043-1802
19. Cavinato, M., Franceschinis, E., Cavallari, S., Realdon, N., Santomaso, A.C. (2010). Relationship between particle shape and some process variables in high shear wet granulation using binders of different viscosity. CHEMICAL ENGINEERING JOURNAL, vol. 164, p. 292-298, ISSN: 1385-8947, doi: 10.1016/j.cej.2010.08.029
20. Realdon, N., Dal Zotto, M., Morpurgo, M., Franceschinis, E. The effects of surfactant characteristics on drug availability from suppositories. PHARMAZIE, vol. 63, p. 459-463, ISSN: 0031-7144